

CLAIMS

1. A method of making an annular rubber component of a tire comprising

determining a cross sectional shape of an annular rubber component,

allotting thicknesses and widths to unvulcanized rubber strips, based on said cross sectional shape of the annular rubber component which is formed by piling up said unvulcanized rubber strips, said thicknesses being in a range of from 0.5 to 4.0 mm,

determining relative displacement of circumferential ends of said unvulcanized rubber strips, and

winding said unvulcanized rubber strips on a cylindrical surface so that the ends of each said unvulcanized rubber strip are jointed, and the joints of said unvulcanized rubber strips are shifted from each other in the circumferential direction.

2. A method of making a tire rubber component according to claim 1, wherein

an angularly shift between the joint s of the adjacent unvulcanized rubber strips is in a range of not less than 5 degrees.

the angularly shift between the joint of the radially innermost unvulcanized rubber strip and the joint of the radially outermost unvulcanized rubber strip is not more than 180 degrees.

3. A method of making a tire rubber component according to claim 1 or 2, wherein

said unvulcanized rubber strips include two or more unvulcanized rubber strips which are different from each other

with respect to rubber composition.

4. A method of making a tire rubber component according to claim 1, 2 or 3, wherein

the tire rubber component is a tread rubber or a sidewall rubber, and

the thicknesses of the unvulcanized rubber strips are in a range of from 0.5 to 2.0 mm.

5. A method of making a tire rubber component according to claim 1, 2 or 3, wherein

the tire rubber component is a bead apex rubber, and

the thicknesses of the unvulcanized rubber strips are in a range of from 0.5 to 4.0 mm.

6. A method of making a pneumatic tire comprising rubber components, which, in order to make at least one of said rubber components, includes the method according to claim 1.

7. A pneumatic tire comprising rubber components at least one of which is made by the method according to claim 1.